

ABSTRACT

[262] A system in accord with the present invention includes a first optical lens having a first outer surface, a second outer surface, and an outer perimeter, an electro-active refractive matrix; and a conductor coupled to the electro-active matrix. An alternative system in accord with the present invention includes a frame, the frame having a lens support and a temple region; an optical lens coupled to the lens support, the optical lens including an electro-active refractive matrix ; a controller coupled to the electro-active refractive matrix; and a range finder coupled to the controller. The present invention also includes a method of assembling an optical lens system that comprises placing an electro-active refractive matrix into a cavity of a first optical lens; and covering at least a portion of the electro-active refractive matrix with a second optical lens.